Date

Thursday, 3/13/2008 10:17:17 AM

User:

Kim Johnston

Process Sheet

Customer

: CU-DAR001 Dart Helicopters Services

Job Number

: 37908 **Estimate Number** : 10000

P.O. Number

: 3/13/2008 This Issue

: NC Prsht Rev.

First Issue Previous Run : //

Type

S.O. No. :

: SMALL /MED FAB

: 36282

Written By Checked & Approved By

Comment

Re-format EC : Est Rev: B 99.11.11

Drawing Name

: TUBE ASSEMBLY

Part Number

Drawing Number

: D2003011 UNDER REVIEW

Project Number

: N/A

Drawing Revision

Material

: 3/28/2008 **Due Date**

Qty:

OK. VE 08.03.13

5 Um:

Each

Additional Product

Job Number: MARKET



Seq. #:...

257.00

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Description:

1.0

M6061T6T0375W035

6061-T6 Tube .375 x.035W



Comment: Qty.:

3.5200 f(s)/Unit

Total :

17.6000 f(s)

Cut: 32.38" long as per Dwg D2003

Material:3/8"Æ x 0.035" wall 6061-T6 tubing

Batch: M 103

2.0

M26506



Comment: Qty.:

3.0525 f(s)/Unit

Total: 15.2625 f(s)

Firesleeve-crkl .375IDia

Cut: 33.31" long as per Dwg D2003 Material: M2650-6 Heat sleeve

..., 3.0

MS208196D



Comment: Qty.:

2.1000 Each(s)/Unit

Total :

10.5000 Each(s)

Pick:

Part Number Description Qty MS20819-6D

Sleeve

1103 154

Dart Aerospace Ltd	Da	irt	Aeı	os	pace	Ltd
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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
				, .			
							<u> </u>
Part No	:	PAR #: Pault Category: NC	R: Yes	No DQ	A:	_ Date: _	· · · · · · · · · · · · · · · · · · ·
			QA:	N/C Close	d·	Date:	

NCR:		WORK ORDER NON-CONFORMANCE (NCR)										
DATE		Description of NC		Corrective A	Varification							
DATE	STEP	Section A	Initial Action Description Sign & Chief Eng Date			Verification Section C	Approval Chief Eng	Approval QC Inspector				
					*							
		9										
					164							
	E e						,					
		•										

NOTE: Date & initial all entries

Thursday, 3/13/2008 10:17:17 AM Uger: Kim Johnston **Process Sheet** Drawing Name: TUBE ASSEMBLY Customer: CU-DAR001 Dart Helicopters Services Job Number: 37908 Part Number: D2003011 Job Number: Seq. #: **Machine Or Operation:** Description: AN8186D Nut Comment: Qty.: 2.0000 Each(s)/Unit Total: 10.0000 Each(s) Pick: 5 Part Number Description Batch Qtv FF 08-03-24 1 103154 AN818-6D D2182045 5.0 Comment: Qty.: 1.0000 Each(s)/Unit Total: 5.0000 Each(s) Pick: Part Number Description 08-03-24 D2182-045 Heat shrink SMALL FAB 6.0 Comment: SMALL & MEDIUM FAB RESOURCE 1 1-Form tube as per template D2003-011 08-03-24 2-Assemble as per Dwg D2003 QC5 INSPECT WORK TO CURRENT STEP 7.0 Comment: INSPECT WORK TO CURRENT STEP 8.0 PACKAGING 1 PACKAGING RESOURCE #1 Comment: PACKAGING RESOURCE #1 Identify and Stock Location:_ FINAL INSPECTION/W/O RELEA 9.0 Comment: FINAL INSPECTION/W/O RELEASE W \$ 03.26 Job Completion

Form: rorocess

Page 2

W/O:			WORK ORDER	CHANGES	,		
DATE	STEP	*	PROCEDURE CHANGE	Ву	Date	Qty Approva Chief Eng Prod Mgr	Approval QC Inspector
		2					
Part No):	F	PAR #: Fault Category:	NCR: Yes	No DQ	A: Date:	
				QA:	N/C Close	d: Date:	

NCR:		WORK ORDER NON-CONFORMANCE (NCR)									
		Description of NC		Corrective Action Section B	Verification						
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	Approval QC Inspector			
					-						
		-			•						
	4										
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NOTE: Date & initial all entries





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	/	11	HAWKESBURY, ONTARIO, CANADA
CHEC	KEP	APPROVED	DRAWING NO. REV. B
4	46	L 44	D2003 SHEET 1 OF 2
DATE	,		TITLE SCALE
99.0	06.08	1 - 1	206 CABIN HEATER TUBE ASSEMBLIES NTS
Α		90.04.09	NEW ISSUE
В		99.06.08	UPDATE PER TEMPLATES; ADD P/N'S; 0.025 TUBING NOW 0.035 (TSR1049)

RELEASED 49.06.08 KE

UNDER REVIEW Some Flot lengths wrong

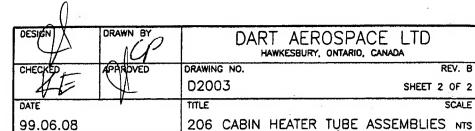
08.03.19 \$

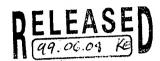
								مجمعي مستجره		7		
				SLEEVE		SLEEVE		MS20819-6D SLEEVE				
		ш	_	SLE	=	궁	5	SL	5) <u>+</u> <		
		HEATSLEEVE LENGTH	CUT LENGTH OF TUBE ²	MS20819-8J	AN818-8J NUT	MS20819-8D	AN818-8D NUT	g	AN818-6D NUT			
		SL	48	819	80	819	8	819	9-8			
		A S	17.	520	81	S20	81	S20	181		*	VENDOR OR
P/N	TEMPLATE	# "	ರಂ	Ξ	4	Σ	₹	Ξ	₹	DESC.	MATERIAL4/8/7	SPEC
D2003-001	T2003-001	5.2	6.00					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-003	T2003-003	7.3	8.12					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-005	T2003-005	9.8	10.62				·	2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-007	T2003-007	20.0	19.63					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-009	T2003-009	12.38	12.44					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-011	T2003-011	33,31	32.38					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-013	T2003-013	12.7	13.54					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-015	T2003-015	17.2	18.00					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-017	T2003-017	17.0	16.25					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-019	T2003-019	9.8	10.62			2	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-700/6
D2003-021	T2003-021	N/A	2.25			2	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-700/6
D2003-023	T2003-023	4.5	5.33			2	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-700/6
D2003-025	T2003-025	9.8	10.60			2	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-700/6
D2003-027	T2003-027	7.25	7.38			2	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-700/6
D2003-029	T2003-029	17.2	18.00			2	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-700/6
D2003-031	T2003-031	14,6	15.38	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-033	T2003-033	29.75	29.62	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-035	T2003-035	24.7	27.00	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-037	T2003-037	24.81	23.38	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-039	T2003-039	34.0	34.00	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-041	T2003-041	6.0	5.88	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-043	T2003-043	11.7	10.75	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-045	T2003-045	3.50	2.44	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-047	T2003-047	5.56	5.56	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-049	T2003-049	33.2	34.00	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-077	T2003-077	N/A	6.25					1	1	JET	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-101	T2003-101	13.25	13.13					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-600/6
D2003-103	T2003-103	12.38	12.00					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-600/6
D2003-105	T2003-105	10.75	10.60					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-600/6
D2003-107	T2003-107	12.75	12.25					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-600/6
D2003-109	T2003-109	8.25	8.125			2	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-600/6
D2003-111	T2003-111	4.75	4.625			2	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-600/6
D2003-116	T2003-116	4.0								HEATSLEEVE	M2650-20 CRINKLE-SOFT	STRATOFLEX
D2003-120	T2003-120	4.0	1							HEATSLEEVE	M2650-16 CRINKLE-SOFT	STRATOFLEX
D2003-14	T2003-14	4.0			i					HEATSLEEVE	M2650-14 CRINKLE-SOFT	STRATOFLEX
D2003-16	T2003-16	4.0		•						HEATSLEEVE	M2650-16 CRINKLE(SOFT)	STRATOFLEX
D2003-205	T2003-205	9.75	9.60					2	2	TUBE ASS'Y	6061-T6 0.375 OD x ₁ 0:035 W	O WW-T-700/6
D2003-207	T2003-207	3.75	3.75					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 We	\GWW-T-700/6
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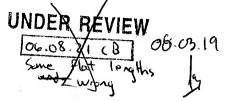
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Notes:

- (1) USE STRATOFLEX M2650-6 CRINKLE-SOFT HEATSLEEVE.
- (2) TUBING ASSEMBLIES TO BE CUT AND BENT IN ACCORDANCE WITH TEMPLATES.
- (3) TUBES TO BE FLARED 30° TO MATE WITH FITTINGS MADE TO MS33514.
- (4) ENSURE SEAMLESS TUBING IS USED.
- (5) INSTALL HEATSLEEVE OVER ALL TUBES WITH A DESIGNATED LENGTH OF HEATSLEEVE PER THE PARTS LIST.
- (6) 5052 (WW-T-700/4) TUBING MAY BE SUBSTITUTED WHEN 6061 TUBING IS NOT AVAILABLE.
- (7) 0.049 WALL THICKNESS CRES TUBING MAY BE SUBSTITUTED WHEN 0.035 IS NOT AVAILABLE.
- (8) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED.

